

CODE:

```
class Car:

    def __init__(self, color = "none", price = 0, size = "none"):
        self.__color = color
        self.__price = price
        self.__size = size.upper()

    # Getter
    def get_color(self) -> str:
        return self.__color

    def get_price(self) -> float:
        return self.__price

    def get_size(self) -> str:
        return self.__size

    # Setter
    def set_color(self, color: str) -> None:
        self.__color = color

    def set_price(self, price: float) -> None:
        self.__price = price

    def set_size(self, size: str) -> None:
        self.__size = size.upper()

    def __str__(self) -> str:
        size_desc = ""
        if self.__size == 'S':
            size_desc = "small"
        elif self.__size == 'M':
            size_desc = "medium"
        elif self.__size == 'L':
            size_desc = "large"
        else:
            size_desc = "unknown"

        return f"Car ({self.__color}) - ₦{self.__price:.2f} - {size_desc}"
```

```
# Sample Outputs
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```
if __name__ == '__main__':
    car1 = Car("red", 19999.85, 'M')
    print(f"Action: Invoking the Car class constructor using
    Car('{car1.get_color()}', {car1.get_price():.2f}, '{car1.get_size()}').")
    print("Output:")
    print(car1)
    print()

    car2 = Car("blue", 50000.00, 'L')
    print(f"Action: Invoking the Car class constructor using
    Car('{car2.get_color()}', {car2.get_price():.2f}, '{car2.get_size()}').")
    print("Output:")
    print(car2)
    print()

    car3 = Car("green", 12345.67, 'S')
    print(f"Action: Invoking the Car class constructor using
    Car('{car3.get_color()}', {car3.get_price():.2f}, '{car3.get_size()}').")
    print("Output:")
    print(car3)
```

OUTPUT:

STDIN

Input for the program (Optional)

Output:

Action: Invoking the Car class constructor using Car('red', 19999.85, 'M').

Output:

Car (red) - ₦19,999.85 - medium

Action: Invoking the Car class constructor using Car('blue', 50000.00, 'L').

Output:

Car (blue) - ₦50,000.00 - large

Action: Invoking the Car class constructor using Car('green', 12345.67, 'S').

Output:

Car (green) - ₦12,345.67 - small